## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 15 September 2005 (15.09.2005)

**PCT** 

## (10) International Publication Number WO 2005/085062 A1

(51) International Patent Classification<sup>7</sup>: B65D 25/42, F16K 15/20, 41/08

B63C 9/00,

(21) International Application Number:

PCT/GB2005/000899

(22) International Filing Date: 7 March 2005 (07.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0405008.4

5 March 2004 (05.03.2004) GB

(71) Applicant (for all designated States except US): MAN-GAR INTERNATIONAL LIMITED [GB/GB];
Presteigne Industrial Estate, Presteigne, Powys LD8 2UF (GB).

(72) Inventor; and

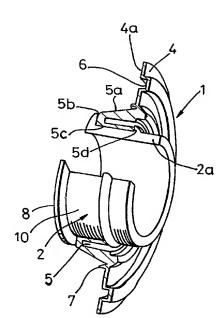
(75) Inventor/Applicant (for US only): FLETCHER,

**Richard, Edmond** [GB/GB]; The Fold, Bircher, Leominster, Herefordshire HR6 0AX (GB).

- (74) Agents: CHURCH, Simon et al.; Wilson Gunn Skerrett, Charles House, 148/9 Great Charles Street, Birmingham B3 3HT (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: FLUID FLOW CONNECTOR



(57) Abstract: Fitting for attachment to a membrane of an inflatable device comprises a mounting adapter (1) to be secured to said membrane. A resiliently deformable part (5c) associated with said mounting adapter is arranged to embrace and hold an initially separate insert (2). The resiliently deformable part (5c) is arranged such that when the mounting adapter is secured to the membrane and exposed to a force exerted by fluid at one of two sides of the membrane, the resiliently deformable part is urged into applying engagement with the insert (2). A variety of different inserts (2) having different valve arrangements can be held by the mounting adapter.

WO 2005/085062 A1

## WO 2005/085062 A1



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

## Published:

with international search report